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ABSTRACT

The present invention relates to a ceramic plate material for side dams of a twin-drum strip caster, the ceramic plate material containing Al of 9 mass% or more in terms of Al equivalent and having the properties of; bending strength at room temperature of not less than 120 MPa, bending strength at 1,000°C of not less than 65 MPa, hardness (Hv) of 50 to 350, fracture toughness K_{Ic} at 1,000°C of not less than $1 \text{ MPa} \cdot \text{m}^{1/2}$, thermal conductivity in the temperature range from room temperature to 1,000°C of not more than $8 \text{ W}/(\text{m} \cdot \text{K})$, thermal shock resistance index R' of not less than 800 W/m, and wettability with molten steel (contact angle θ) of not less than 120° : and allows molten stainless steel to be continuously cast for a long period of time.

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